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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/521,699	01/19/2005	Zhengwei Wang	57451.8001.US00	2161
34055	7590	05/23/2006	EXAMINER	
PERKINS COIE LLP POST OFFICE BOX 1208 SEATTLE, WA 98111-1208			CONTEE, JOY KIMBERLY	
			ART UNIT	PAPER NUMBER

2617

DATE MAILED: 05/23/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/521,699	<b>Applicant(s)</b> WANG, ZHENGWEI	
	<b>Examiner</b> Joy K. Contee	<b>Art Unit</b> 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 19 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8, 9, 14 and 16-26 is/are rejected.
- 7) ☒ Claim(s) 7, 10, 12-13, 15 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 January 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/3/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-6,8,9,11,14 and 16-26 are rejected under 35 U.S.C. 102(e) as being anticipated by clapper, US 6,823,257.

Regarding claim 1, Clapper discloses a method for performing services of a mobile phone, wherein comprising: setting a marker module, a wireless one, to mark preferable physical objects; both marking information of said marker module itself and that of the marked objects is stored in said marker module and transmitted by wireless; setting an identifier module, a wireless one, to receive the marking information transmitted from the marker module; said identifier module is set in the mobile phone in which stores preset trigger records; said mobile phone, via its identifier module, receives the marking information transmitted from said marker module, when detecting that it enters the marked area of said marker module, and then performs entry trigger service in preset trigger records (see Figs. 5-9, col. 6,line 36 to col. 9,line 67).

Regarding claim 2, Clapper discloses the method according to claim 1, further comprising: said mobile phone, if it detects that it stays in the marked area of said marker module, determines whether to perform stay trigger service in preset trigger records according to the present time (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 3, Clapper discloses the method according to claim 1, further comprising: said mobile phone, if it detects that it exits the marked area of said marker module, performs exit trigger service in preset trigger records (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 4, Clapper discloses the method according to claim 2, wherein said stay trigger service may be repeat trigger service performed repeatedly at preset time intervals, or time trigger service performed at preset time (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 5, Clapper discloses the method according to any one of claim 1, wherein said preset trigger records comprises an entry trigger record, exit trigger record, repeat trigger record and time trigger record respectively corresponding to entry trigger service, exit trigger service, repeat trigger service and time trigger service (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 6, Clapper discloses the method according to claim 5, wherein said area may be a single-marker area marked by a single marker module, or a multi-marker union area or a multi-marker intersection area by plurality of marker modules (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 8, Clapper discloses the method according to claim 6, wherein, as for any stay trigger record, said mobile phone may work in the single-marker area mode or multi-marker union area mode; when said mobile phone works in the multi-marker union area mode, as for all marker module matching the trigger record, if it receives the marking information transmitted from any marker module during preset time period, the mobile phone then determines that it stays in the multi-marker union area; as for repeat trigger service, if it stays in the multi-marker union area, the mobile phone performs repeatedly the repeat trigger service at preset time intervals; as for time trigger service, if it stays in the multi-marker union area, the mobile phone performs the time trigger service at preset time (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 9, Clapper discloses the method according to claim 5, wherein said marking information comprises Electronics Serial Number (ESN) and Group Number (GroupNo) of the marker module, Object Class (ObjClass), Object Number (ObjNum) and Object Name (ObjName) of the marked object, and three-dimensional coordinate offsets from the marker module to the marked object (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 11, Clapper discloses the method according to any of claim 1, wherein said services comprises call transfer, incoming call barring, short message service, sleep, awake, alarm clock setting, ring style setting or ring volume setting (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 14, Clapper discloses the method according to any one of claim 1, wherein, after receiving the marking information transmitted from any marker module

via its identifier module, if said mobile phone detects that the marker module is a new one, then it executes authentication on the new marker module; if the new marker module passes authentication, the mobile phone further determines whether to trigger corresponding service, otherwise, the marker module is deemed invalid (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 16, Clapper discloses the method according to claim 14, wherein, if staying in the effective marked area of certain marker module, the mobile phone executes the authentication on the marker module at preset time intervals (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 17, Clapper discloses the method according to any one of claim 1, wherein said marking information comprises Electronics Serial Number (ESN) and Group Number (GroupNo) of the marker module, Object Count (ObjCount) of the marked objects, list comprising Object Class (ObjClass), Object Number (ObjNum), Object Name (ObjName) of the marked objects, and three-dimensional coordinate offsets (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 18, Clapper discloses the method according to any one of claim 1, wherein said marker module further comprises an environment-monitoring module for monitoring environmental parameters; said marking information further comprises the environmental parameters detected by the marker module (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 19, Clapper discloses the method according to claim 18, wherein said environment-monitoring module can monitor one or many of the

environmental temperature, humidity, pollution index, or noise; said environmental parameters may be one or many of the temperature, humidity, pollution index, or noise (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 20, Clapper discloses the method according to any one of claim 1, wherein said marker module broadcasts its essential marking information at preset time intervals, after which is received by the mobile phone that then sends back a request, it transmits corresponding detailed marking information based on the received request (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 21, Clapper discloses the method according to claim 20, wherein said essential marking information is the Electronics Serial Number (ESN) of the marker module, and said detailed marking information comprises the marking information of the marker module itself and that of the marked objects (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 22, Clapper discloses the method according to claim 20, wherein said essential marking information is the communication address of the marker module, which may be static allocated address or a dynamic allocated address (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 23, Clapper discloses the method according to any one of claim 1, wherein, if staying in the effective marked area of certain marker module, said mobile phone will initiatively send a request to the marker module which transmits corresponding detailed marking information based on the received request (see Figs. 5-9, col. 6, line 36 to col. 9, line 67).

Regarding claim 24, Clapper discloses the method according to claim 6, wherein, as for every trigger record, said mobile phone may work in the multi-marker intersection area mode; when the mobile phone works in the multi-marker intersection area mode, said trigger records at least comprise a marking information list formed by the marking information of the plurality of marker modules, and said marking information list at least comprises the Electronics Serial Numbers (ESN) of the plurality of marker modules(see Figs. 5-9, col. 6,line 36 to col. 9,line 67).

Regarding claim 25, Clapper discloses a mobile phone, wherein said mobile phone has an identifier module, which comprises a receive module for receiving short-distance wireless message transmitted from external marker modules; said wireless receive module decodes out corresponding marking information from the wireless message, and then transmits the information to MPU in the mobile phone to process (see Figs. 5-9, col. 6,line 36 to col. 9,line 67).

Regarding claim 26, Clapper discloses the mobile phone according to claim 25, wherein said identifier further comprises a transmit module for transmitting short-distance wireless message to the external marker modules (see Figs. 5-9, col. 6,line 36 to col. 9,line 67).

***Allowable Subject Matter***

3. Claims 7,10,12,13 and 15 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.



***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sandu et al. US 6,867,733, discloses a method and system for a plurality of mobile units to locate one another.

Rayburn, US 9,37,869, discloses a route planning system for mobile telecommunications.

Waller et al., US 2001/0031640, discloses an access to information networks by mobile devices.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joy K. Contee whose telephone number is 571.272.7906. The examiner can normally be reached on Monday through Friday, 5:30 a.m. to 2:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on 571.272.7905. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2617

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JC

  
JAY K. CONTEE  
PATENT EXAMINER